

WHAT IS CLAIMED IS:

1. A non-reciprocal circuit element comprising:

a yoke including, therein:

5 a magnetic plate;

a plurality of line conductors disposed on a main surface of the magnetic plate and insulated from one another, each line conductor having a terminal segment;

a plurality of capacitor chips disposed around the
10 magnetic plate; and

a magnet for applying a DC bias magnetic field in a direction substantially perpendicular to the main surface of the magnetic plate,

wherein the line conductors intersect on a main surface
15 of the magnetic plate and are connected to one another on the other main surface of the magnetic plate, the terminal segments of the line conductors are connected to the capacitor chips, and the magnet has a major axis and a minor axis in plan view and has a convex surface on at least one
20 peripheral portion thereof.

2. The non-reciprocal circuit element according to claim 1, wherein the magnet has a plan-view shape generated by partially cutting a circle or an ellipse along a straight
25 line.

3. The non-reciprocal circuit element according to claim 1, wherein the magnet has an elliptic shape in plan

view.

4. The non-reciprocal circuit element according to
claim 2, wherein the magnet has a plan-view shape of a racing
5 track.

5. The non-reciprocal circuit element according to
claim 1, wherein a projection plane of the magnetic plate is
identical to or completely disposed within a projection plane
10 of the magnet.

6. The non-reciprocal circuit element according to
claim 1, wherein the ratio of the minor axis of the magnet to
the minor axis of the magnetic plate or the ratio of the
15 major axis of the magnet to the major axis of the magnetic
plate ranges from 1.0 to 1.9.

7. The non-reciprocal circuit element according to
claim 6, wherein the ratio of the minor axis of the magnet to
20 the minor axis of the magnetic plate or the ratio of the
major axis of the magnet to the major axis of the magnetic
plate ranges from 1.6 to 1.9.